

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
23 June 2022 (23.06.2022)



(10) International Publication Number
WO 2022/133138 A3

(51) International Patent Classification:

A61M 25/09 (2006.01) A61M 25/00 (2006.01)
A61M 25/06 (2006.01)

(21) International Application Number:

PCT/US2021/063903

(22) International Filing Date:

16 December 2021 (16.12.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/127,024 17 December 2020 (17.12.2020) US

(71) Applicant: **BARD ACCESS SYSTEMS, INC.** [US/US];
605 North 5600 West, Salt Lake City, UT 84116 (US).

(72) Inventor: **HOWELL, Glade, H.**; 2037 East Bear Mountain
Drive, Draper, UT 84020 (US).

(74) Agent: **WIGHT, Todd, W.**; Rutan & Tucker LLP, 18575
Jamboree Road, 9th Floor, Irvine, CA 92612 (US).

(81) Designated States (unless otherwise indicated, for every

kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every

kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

(54) Title: FLOPPY DISTAL END SECTION WITH STIFF SOLID SHAFT

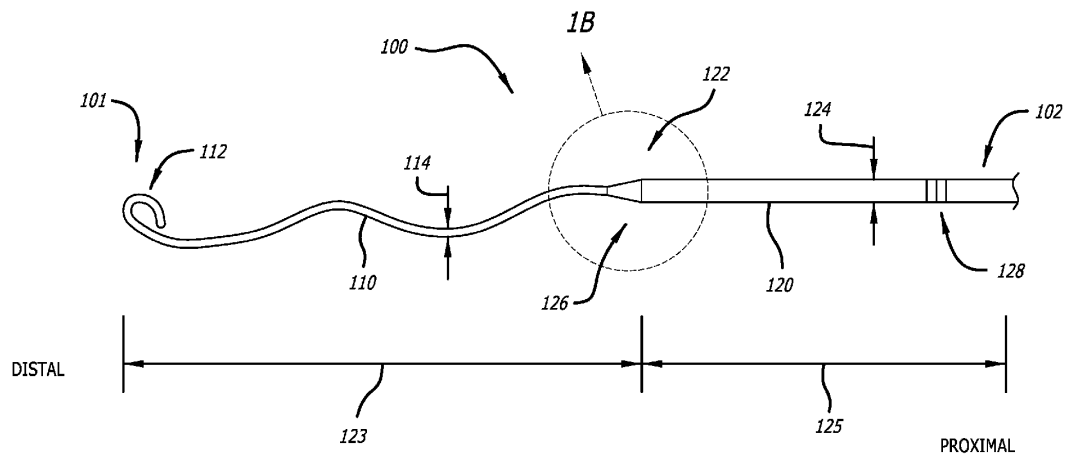


FIG. 1A

(57) Abstract: A section (100) is disclosed for use with a portion assembly (200). The section can include a solid core section (130) with a distal section (110, 131) having a first diameter, and a proximal section (120, 132) having a second diameter, wherein the second diameter can be greater than the first diameter. The section can include a coil (140) wound around the distal section of the solid core section. The proximal section can have a flexural stiffness that is less than a flexural stiffness of the distal section. A length of the distal section of the section may be shorter than the length of the portion. A length of the proximal section of the section may be longer than the length of the portion.

[Continued on next page]

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

Published:

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

(88) Date of publication of the international search report:

28 July 2022 (28.07.2022)